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UTILITY PATENT APPLICATION **TRANSMITTAL**

Attomey Docket No.	1875.5650000		
First Inventor	Proano et al.	2	_
Title	System For Monitoring The Quality Of A Communications Channel With Mirror Receivers	ري ص	7
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(Only for new fi	Toriprovisional applications under 57 CFR 1.55(b))	Express Mail Label No.					
	PPLICATION ELEMENTS ter 600 concerning utility patent application contents.	ADDRESS TO: Commiss P.O. Box	Patent Application ioner for Patents CO 1450 ia VA 22313-1450				
(Submit and Applicant of See 37 CF 3. X Specification (preferred and Descriptive - Cross Reference or a compular - Backgroun - Brief Summin - Brief Description - Claim(s)	on [Total Pages	ii. Paper c. Statements verifyin ACCOMPANYING AI	endix) Sequence Submission Form (CRF) Ence Listing on: ED-R (2 copies); or g identity of above copies PPLICATION PARTS				
5. Oath or Declarat a. X Newly e	executed (original or copy)	10. 37 CFR 3.73(b) Statem (when there is an assignation Disclosure 12. X Information Disclosure Statement (IDS)/PTO-1	nee) Attorney cument (if applicable) X Copies of IDS				
(for con	om a prior application (37 CFR 1.63(d)) tinuation/divisional with Box 18 completed) _ETION OF INVENTOR(S)	13. Preliminary Amendmen 14. Return Receipt Postcar (Should be specifically if 15. Certified Copy of Priorit	t d (MPEP 503) itemized)				
name 1.63(ed statement attached deleting inventor(s) e in the prior application, see 37 CFR (d)(2) and 1.33(b). on Data Sheet. See 37 CFR 1.76	(if foreign priority is clair Nonpublication Reques (b)(2)(B)(i). Applicant m or its equivalent.	ned) t under 35 U.S.C. 122 ust attach form PTO/SB/35				
		17. X Other: Authorization of the name of the	e assignee is: Broadcom Corporation				
specification following	NG APPLICATION, check appropriate box, and suping the title, or in an Application Data Sheet under 3	oply the requisite information below ar 37 CFR 1.76:	nd in the first sentence of the				
Continuatio			on No.:				
Prior application information: Examiner (to be assigned) For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.							
		DENCE ADDRESS					
X Customer N	Number: 26111	OR Corre	spondence address below				
Name	Sterne, Kessler, Goldstein & Fox P.L.L.C	J					
Address							
City		State	Zip Code				
Country		elephone	Fax				
Name (Print/Type) Signature	Jeffrey T. Helvey	Registration No. (Attorney/Agent)	44,757				
Signature	11/100,00		Date 1/2d54				

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Signature

PTO/SB/17 (10-03) Approved for use through 07/31/2006. OMB 0651-0032

30/04

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FEE TRANSMITTAL for FY 2004

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810.00

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

Application Number	(to be assigned)
Filing Date	(herewith)
First Named Inventor	Proano et al.
Examiner Name	(to be assigned)
Art Unit	(to be assigned)
Attorney Docket No.	1875.5650000

Complete if Known

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)				
Check X Credit card Money X Other** None		3. ADDITIONAL FEES				
Order Orde		Entity				
	Fee	Fee		Fee	Fee Description	
Deposit Account 19-0036	Code			(\$)	·	Fee Paid
Number Deposit	1051	130	2051		Surcharge - late filing fee or oath	
Account Sterne Kessler, Goldstein & Fox P.L.L.C.	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
Name The Director is authorized to: (check all that apply)	1053	130	1053	130	Non-English specification	:
Charge fee(s) indicated below Credit any overpayments	1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
Charge any additional fee(s) or any underpayment of fee(s)		920*	1804	920*	Requesting publication of SIR prior to Examiner action	
Charge fee(s) indicated below, except for the filing fee	1805	1,840*	1805	1.840*	Requesting publication of SIR after	
to the above-identified deposit account.	j			•••	Examiner action	
FEE CALCULATION	1251	110	2251	55	Extension for reply within first month	
1. BASIC FILING FEE	1252	420	2252	210	Extension for reply within second month	
Large Entity Small Entity	1253	950	2253	475	Extension for reply within third month	<u> </u>
Fee Fee Fee Fee Fee Description Fee Paid Code (\$)	1254	1,480	2254	740	Extension for reply within fourth month	
1001 770 2001 385 Utility filing fee	1255	2,010	2255	1,005	Extension for reply within fifth month	
1002 340 2002 170 Design filing fee 770,00	1401	330	2401	165	Notice of Appeal	
1003 530 2003 265 Plant filing fee	1402	330	2402	165	Filing a brief in support of an appeal	
1004 770 2004 385 Reissue filing fee	1403	290	2403	145	Request for oral hearing	
1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding	
SUBTOTAL (1) (\$) 770.00	1452	110	2452	55	Petition to revive - unavoidable	
	1453	1,330	2453	665	Petition to revive - unintentional	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Fee from	1501	1,330	2501	665	Utility issue fee (or reissue)	
Extra Claims below Fee Paid	1502	480.	2502	240	Design issue fee	
Total Claims 20 - 20 **= 0 X ==	1503	640	2503	320	Plant issue fee	
Claims	1460	130	1460	130	Petitions to the Commissioner	
Multiple Dependent =	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
Large Entity Small Entity Fee Fee Fee Fee Fee Description	1806	180	1806	180	Submission of Information Disclosure Stmt	
Code (\$) Code (\$)	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	\$40.00
1202 18 2202 9 Claims in excess of 20	1809	770	2809	385	Filing a submission after final rejection	
1201 86 2201 43 Independent claims in excess of 3					(37 ČFR 1.129(a))	L
1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1204 86 2204 43 ** Reissue independent claims over original patent	1801	770	2801	385	Request for Continued Examination (RCE)	
1205 18 2205 9 ** Reissue claims in excess of 20	1802	900	1802	900		
and over original patent		- 1			of a design application	
SUBTOTAL (2) (\$)		fee (sp				<u></u>
**or number previously paid, if greater; For Reissues, see above		ced by	Basic F	Filing Fe	ee Paid SUBTOTAL (3) (\$)	40.00
SUBMITTED BY					(Complete (if applicable))	
Name (Print/Type) Jeffrey T Helvey	F	Registra	tion No.	.]	44.757 Telephone (202) 37	1-2600

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Mail Stop Patent Application

Victoria S. Rutherford Eric D. Hayes

Of Counsel Kenneth C. Bass III Evan R. Smith

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January 30, 2004

WRITER'S DIRECT NUMBER: (202) 772-8675 INTERNET ADDRESS: JHELVEY@SKGF.COM

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Re:

U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)

Appl. No. (to be assigned); Filed: (herewith)

System For Monitoring The Quality Of A

Communications Channel With Mirror Receivers

Inventors:

Proano et al.

Our Ref:

1875.5650000

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

- 1. PTO Fee Transmittal (Form PTO/SB/17);
- 2. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
- 3. U.S. Utility Patent Application entitled:

System For Monitoring The Quality Of A **Communications Channel With Mirror Receivers**

and naming as inventors:

Jay Proano **Howard Baumer** Chung-Jue Chen Ali Ghiasi Vasudevan Parthasarathy Rajesh Satapathy Linda Ying

Sterne, Kessler, Goldstein & Fox P.L.C.: 1100 New York Avenue, NW: Washington, DC 20005: 202.371.2600 f 202.371.2540; www.skgf.com

Commissioner for Patents January 30, 2004 Page 2

the application consisting of:

- a. An Application Data Sheet (37 C.F.R. § 1.76);
- b. A copy of an original executed Declaration;
- c. A specification containing:
 - i. Fourteen (14) pages of description prior to the claims;
 - ii. Five pages of claims (20 claims, 3 independent);
 - iii. A one (1) page abstract;
- d. Five sheets of drawings: (Figures 1, 2A-2B-2C, and 3-5);
- 4. Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3);
- 5. Recordation Form Cover Sheet;
- 6. A copy of an original executed Assignment to **Broadcom Corporation**, recordation of which is hereby respectfully requested;
- 7. An Information Disclosure Statement (IDS);
- 8. Form PTO-1449 (one page) listing and accompanied by one document;
- 9. Two (2) return postcards; and
- 10. Form PTO-2038 Credit Card Payment Form.

Commissioner for Patents January 30, 2004 Page 3

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Jeffrey T. Helvey Agent for Applicants Registration No. 44,757

JTH/sjc 222881 1.DOC

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Proano et al.

Appl. No.: (to be assigned)

Filed: (herewith)

For: System For Monitoring The **Quality Of A Communications Channel With Mirror Receivers** Confirmation No.: (to be assigned)

Art Unit: (to be assigned)

Examiner: (to be assigned)

Atty. Docket: 1875.5650000

Authorization to Treat a Reply as Incorporating an Extension of Time Under 37 C.F.R. § 1.136(a)(3)

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Jeffrey T. Helvey Agent for Applicants Registration No. 44,757

JoH Helver

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